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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/976,632	10/12/2001	Douglas P. Brown	10149	1656

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EXAMINER

WOO, ISAAC M

ART UNIT	PAPER NUMBER
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2172

DATE MAILED: 05/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/976,632

Applicant(s)

BROWN ET AL.

Examiner

Isaac M Woo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 April 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to Applicant's Arguments, filed on April 02, 2004 have been considered but they are not persuasive.
2. Claim objection to claim 7, has been withdrawn because of applicant's amendment.
3. Claims 1-32 are pending.

Response to arguments

4. Applicant's Remarks, filed on April 02, 2004, argues following points:

The meaning of demographic information from Cannon is different from the meaning of applicant's specification. However, Examiner does not agree.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., applicant definition of demographic characteristics include "current and peak disk space utilization of a database table...; spool space utilization; ...etc) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Thus, Cannon teaches the demographic information and the rejection based on the term of demographic information from Cannon is proper. Applicant's argues that claims 12-15, 16, and 28-31 that Uematsu

does not disclose or suggest all features of demographics of database tables. However, Uematsu discloses displaying of disk (CPU, memory, hard disk, etc) utilization status that includes details features.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-11, 16-25, 27 and 32-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cannon (U.S. Patent No. 6,029,176).

With respect to claims 1 and 17-19, Cannon discloses the method of presenting demographics information in a database system, providing a graphical user interface screen, see (fig. 9, col. 3, lines 62-64, col. 25, lines 53-67 to col. 26, lines 1-14); an item in the graphical user interface screen, see (col. 26, lines 34-52); and in response to selection of the item, displaying the demographics information in graphical format, see (fig. 9-13, col. 26, lines 34-67 to col. 27, lines 1-14).

Cannon discloses an item (defection icon) in the graphical user interface screen, see (fig.10, col. 26, lines 34-52). Cannon does not explicitly disclose, "receiving

selection of an item" in the graphical user interface screen. However, Cannon discloses, "FIG. 10, a user may "click" a mouse on the defection icon and generate the line graph shown in FIG. 11. The icon-driven graphical user interface 125 provides single click access to very sophisticated types of information", see (col. 26, lines 34-51). The step of "user click a mouse on the defection icon" is to receive a selection of item from a user to the system. And the system displaying based on user click. Therefore, it would have been obvious to a person having ordinary skill in the art the time of the invention was made to include "receiving selection of an item" in the graphical user interface screen.

Because when a user wants to see something on computer system, the user clicks an icon on GUI (selecting (an) item(s)), in Graphical User Interface computer environment. Thus, selection of an item provides user's action to execute the computer system's GUI.

With respect to claim 2, Cannon discloses, displaying the demographics information in text format, see (fig. 9-13).

With respect to claim 3, Cannon discloses, displaying the demographics information in a format different from a text format, see (fig. 12 (displaying with pie graph), col. 26, lines 39-51).

With respect to claim 4, Cannon discloses, providing an interface to access the demographics information, see (col. 1, lines 6-13).

With respect to claim 5, Cannon discloses, providing an application programming interface to depict demographics information, see (fig. 9-13).

With respect to claims 6 and 21, Cannon discloses, storing demographics information in a database, see (col. 6, lines 41-64, col. 10, lines 52-67 to col. 11, lines 1-67).

With respect to claim 7, Cannon discloses, storing the demographics information in a query capture database, see (col. 5, lines 61-67 to col. 6, lines 1-59).

With respect to claim 8, Cannon discloses, the database system has plural access modules, and displaying demographics information on a per-access module basis, see (col. 5, lines 61-67 to col. 6, lines 1-59).

With respect to claims 9-11 and 16, Cannon discloses, displaying in at least one of a bar chart format and a line graph format, storage system utilization, statistics information and spool space utilization, see (fig. 9-13, col. 26, lines 15-67 to col. 27, lines 1-14, col. 5, lines 61-67 to col. 6, lines 1-59).

With respect to claim 20, Cannon discloses, the demographics information in a second format for displaying in a text view, see (fig. 9-13, col. 26, lines 15-67 to col. 27, lines 1-14, col. 5, lines 61-67 to col. 6, lines 1-59).

With respect to claims 22-23, Cannon discloses, interface between an application and the database, see (col. 26, lines 15-67 to col. 27, lines 1-14, col. 5, lines 61-67 to col. 6, lines 1-59).

With respect to claim 24, Cannon discloses, interface between an application and the database, see (col. 26, lines 15-67 to col. 27, lines 1-14, col. 5, lines 61-67 to col. 6, lines 1-59).

With respect to claims 25 and 27, Cannon discloses, the demographics information containing statistics information, in at least one of a chart format and a line graph format, see (col. 26, lines 15-67 to col. 27, lines 1-14, col. 5, lines 61-67 to col. 6, lines 1-59).

With respect to claims 32-33, Cannon discloses, first interface to a database system, see (col. 3, lines 17-30); demographics information, see (col. 21, lines 5-67); and user interface, see (col. 3, lines 17-30); module adapted to access the demographics information from the database system (col. 1, lines 5-13) and to display

the demographics information in graphical format in the user interface, see (col. 26, lines 15-67 to col. 27, lines 1-14, col. 5, lines 61-67 to col. 6, lines 1-59).

Cannon discloses an item (defection icon) in the demo graphical information, see (fig. 10, fig. 11, fig. 12, col. 26, lines 34-52). Cannon does not explicitly disclose, "receive a request" for demographics information.

However, Cannon discloses, "FIG. 10, a user may "click" a mouse on the defection icon and generate the line graph shown in FIG. 11. The icon-driven graphical user interface 125 provides single click access to very sophisticated types of information", see (col. 26, lines 34-51). The step of "user click a mouse on the defection icon" is to receive a request for demographical information from a user to the system. And the system displaying based on user click. Therefore, it would have been obvious to a person having ordinary skill in the art the time of the invention was made to include "receive a request" for demographics information. Because when a user wants to see something on computer system, the user clicks (receive a request) an icon on GUI in Graphical User Interface computer environment. Thus, request of an item provides user's action to execute the computer system's GUI.

7. Claims 12-15, 26 and 28-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cannon (U.S. Patent No. 6,029,176) in view of Uematsu (U.S. Patent No. 6,606,658).

With respect to claims 12, 26 and 28, Cannon does not explicitly disclose, displaying the storage system utilization associated with each access module. However, Uematsu discloses, displaying the storage system utilization (CPU is storage system) associated with each access module (per each CPU), see (fig. 6-9, col. 6, lines 11-67 to col. 7, lines 1-51). Therefore, it would have been obvious to a person having ordinary skill in the art the time of the invention was made to include displaying the storage system utilization associated with each access module in the system of Cannon. Because monitoring and displaying each storage medium usage status helps a user or a system administrator's efficient resource management.

With respect to claims 13-15 and 29-31, Uematsu discloses, a row count and an average row size of rows a portion of the table stored and distribution of the number of blocks by each of the access module, see (fig. 6-9, col. 6, lines 11-67 to col. 7, lines 1-51).

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M Woo whose telephone number is (703) 305-0081. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (703) 305-9790. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IMW
May 14, 2004


SHAHID ALAM
PRIMARY EXAMINER